

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/555,296

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



1647

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/555,296

DATE: 03/19/2002

TIME: 15:05:55

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03192002\I555296.raw

pp 1-3

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: NUTALL, PATRICIA
4 OXFORD VACS LTD
5 PARSON, GUIDO CHRISTIAN
7 <120> TITLE OF INVENTION: HISTAMINE AND SEROTONIN BINDING MOLECULES
9 <130> FILE REFERENCE: Oxford Vacs - Histamine and Serotonin
11 <140> CURRENT APPLICATION NUMBER: US/09/555,296
12 <141> CURRENT FILING DATE: 2000-09-13
14 <160> NUMBER OF SEQ ID NOS: 31
16 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

755 <210> SEQ ID NO: 20
756 <211> LENGTH: 1046
757 <212> TYPE: DNA
758 <213> ORGANISM: Boophilus microplus
760 <400> SEQUENCE: 20
761 gatggcgctc agatttgacac ttctgctggc gtgcatcgtc acggcatgtg gctggagaac 60
762 acggattcaa gagaaaggct ccgagaacaa cctctcatg aacacccaac gtttgggaaa 120
763 aatgcaagac gcatggaaga gtctggaaaa ggcaacaaat cagtcgtatg tcttggtgtt 180
764 ccgctcaaga aatcacgaac cagagataat ctgctgtgtac gtgaggggcta gtaataataa 240
765 taatgacact aaaactgcaa cttataccag aacatattac aatatgacgg caaacgcaac 300
766 catgacgggtg aattatactg caagagctct gaagcaagtg gactatgagt cggaaaaatgt 360
767 cgtacgagta aacctgacag gtgggggtccc cagcaacgat acagttcctc ttggaagcta 420
768 cgaatacgtc gagtacggta attactcctg caatagctca tcgacaccct ttttggatgc 480
769 tgtgcaaagt gcatcgcaag ggcaatccag agggccggat atcgaagggc gcacatatct 540
770 agacttctac gtcgtctaca atcaaccatc gtgcaatgtc ctgaagtccc cgctcctggg 600
771 aggtgcttgt gacttttggg tgacagaatc cgagttgcaa aaagcactaa ataagacatc 660
772 agagaagaaa aaaacaaagc tagaagcgag agcaaggaaa gctggaggag attccgatga 720
773 ccagggacct gaactggagg tcgtcttcaa aaatctgccc cctccctgcc gcgcagcgtt 780
774 cataacttcc tgcggctatc caacttttct tatgtacaac aagaccatct gtaatcgaac 840
775 ggattctgct gcggtgtgaa cgtcccctgc gagcaagtag aacgtccgtg aagacagcag 900
776 gaagatagtt gactgtttttg ttggcggaat gtgactacta gtctgaatca ttaaaaagat 960

E--> 777 ~~tgactgacg~~ ggtgtggcgg gaactttttt aaatgaaatt ggtcactatt gttgaaagac 1020
778 aaaaataaaa caatatgtta ctctc 1046

805 <210> SEQ ID NO: 22

806 <211> LENGTH: 1156

807 <212> TYPE: DNA

808 <213> ORGANISM: Boophilus microplus

810 <400> SEQUENCE: 22

811 cgaagagcag gtacgattcg aatcttttga atggacattc gcagcgtgt tttgttcgcy 60

812 tgcacgtctc cggcgtgttg tggcttttgg cgctggacaa cacggagggt aactaaaaag 120

p.2

*> see
item 9
on Enov
summary sheet*

RAW SEQUENCE LISTING

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Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03192002\I555296.raw

```

813 cctgataaca gccctctgtt gaacaaccaa catcttggtc ttttccagga cgcattggaag 180
814 actatagaag agacgtccaa tgatacgtat gtcctgatgt tccgctcaaa acattacgac 240
815 cactgagaaca aggctaaatg tgtcttcgta acggcacaata ttactgactc ccggaacaaa 300
816 actgccaatt acacaataac gtattacgat actacaacaa atacatccaa caattttaca 360
817 atcccagtga gagctctgaa ccaaactgac tactcactag aaaatgtgat tcgagcaagc 420
818 ttcaacggcg acaactccaag ctctactcca gcccctcccg gaagcagcgt gtacattcag 480
819 tataataatg ttacctgcta cgcccaatat caccattttt caaataatgg aatcagtgca 540
820 aaatatgatg aaatgccccg ggatggccga aattacttgt tcgacaattt tattggtgct 600
821 tacttggtgact tctacgtggt gttcagccag ccgacatgca acgtttctcag agtccgagaa 660
822 ggatgtgact tctggctaag gaaaactgag ttgccaagcc tactgaaagc agcagaaaat 720
823 gatgacaacg ataacacgga atcgctgaag aactattggg aaagaagaat aaataatact 780
824 aaaacaagat ttcgacataa tactaagaaa tgtaagatgt acgtacaacg ttattcaatt 840
825 gagaaggctg aagatgtctt taaaaaact gcttttaaac acctcccctc cgactgccgc 900
826 ttgaccttcc tggccgcttg tggaaatcca gcattcacia tatacgacct agaaacatgt 960
827 aatagctccc tgccagctaa tatggcagaa agttaaatga gctatttcac ttcattgttcg 1020
828 accgtatgcc tggatgcaa gaaggtagg ttggacagga tacttccgaa ttattttttc 1080
E--> 829 agtctgcctt gtacgcacga aataacaaaa tatctgttga agcnnncaac nnnnnnaana 1140
E--> 830 aaaaaaaaaa aaaaaa 1156

```

item 9

item 9

see next page for more errors

<210> 23
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: reverse
transcriptase polymerase primer

<400> 23

aaayggagarc aycargaygc ntggaa

see item 9

26

<210> 24
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: reverse
transcriptase polymerase primer

<400> 24

kttrtmrtong ttryccanar ytcrtta

item 9

26

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/555,296

DATE: 03/19/2002

TIME: 15:05:56

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03192002\I555296.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:777 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:20
L:829 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:22
M:340 Repeated in SeqNo=22
L:844 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:23
L:844 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23
L:844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:857 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:24
L:857 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24
L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24